

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/111345 A1

(51) International Patent Classification⁷: E02B 3/08
(21) International Application Number:
PCT/KR2004/001441
(22) International Filing Date: 16 June 2004 (16.06.2004)
(25) Filing Language: Korean
(26) Publication Language: English
(30) Priority Data:
10-2003-0039245 17 June 2003 (17.06.2003) KR

(71) Applicants and
(72) Inventors: HUH, Soo-Young [KR/KR]; #1612, Samick
APT. 330, Noryangjin1-dong, Dongjak-gu, Seoul 156-051
(KR). JUN, Wan-Jin [KR/KR]; 48, Kimyong-ri Young-
sun-myun, Munkyeong-si, Gyeongsangbuk-do 745-852
(KR).

(74) Agent: YEWM, Kyung-Hyun; 2F, Shinwon Bldg.
823-14, Yeoksam-dong, Kangnam-gu, Seoul 135-933
(KR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

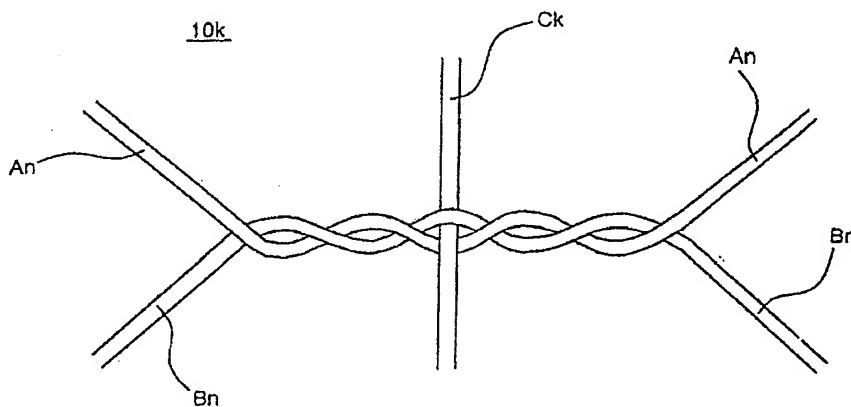
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: GABION UNIT AND GABION MESH COMPRISING IT



(57) Abstract: **Problem:** The present invention relates to a gabion unit formed by spiral double-twisted structures for the gabion unit, and a gabion mesh having the gabion units consecutively and repeatedly coupled to one another both in a right and left direction and in a fore and aft direction. The spiral double-twisted structure for the gabion unit of the present invention is characterized in that two longitudinal steel wires are spirally rotated in opposite directions before and after passing over one transverse steel wire serving as a centerline. **Solution:** The present invention provides a gabion unit formed by coupling a plurality of spiral double-twisted structures for the gabion unit constructed as above to one another, and a gabion mesh formed by consecutively and repeatedly coupling a plurality of gabion units to one another in the right and left direction and in a fore and aft direction. Accordingly, the present invention can fully automate a conventional method for manufacturing a gabion mesh, thereby improving the production efficiency as many as 2 to 3 times over the conventional manufacturing method.

WO 2004/111345 A1